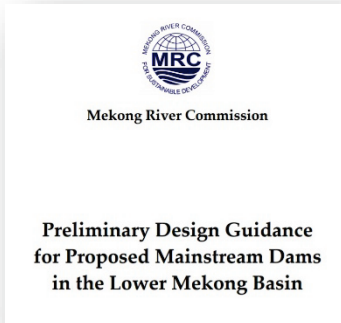


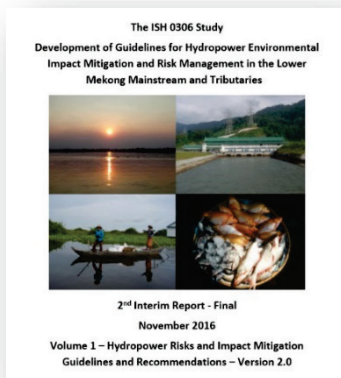
# LIST OF INITIATIVE SUSTAINABLE HYDROPOWER STUDY REPORTS AND DOCUMENTS



## PRELIMINARY DESIGN GUIDANCE (PDG) FOR PROPOSED MAINSTREAM DAMS IN THE LOWER MEKONG BASIN

This document provides preliminary design guidance in the form of performance targets, design and operating principles for mitigation measures, as well as compliance monitoring and adaptive management for reducing the environmental and social risks posed by hydropower schemes.

<https://goo.gl/RPrsHn>



## GUIDELINES FOR HYDROPOWER ENVIRONMENTAL IMPACT MITIGATION AND RISK MANAGEMENT IN THE LOWER MEKONG MAINSTREAM AND TRIBUTARIES

The mitigation is considered not only at the planning, feasibility and design stages of the Hydropower projects, but also that the effectiveness of mitigation options is monitored, and adaptations are made over the project lifecycle. The mitigation guidelines will be based on good industry practice and latest research and technical knowhow.

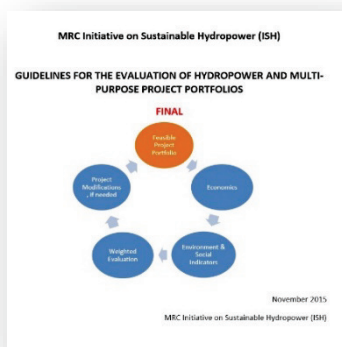
<https://goo.gl/rCSjaZ>



## PILOT TESTING IN THE SRE POK SUB-BASIN ON THE IDENTIFICATION OF ECOLOGICALLY SENSITIVE SUB-BASINS FOR SUSTAINABLE DEVELOPMENT OF HYDROPOWER ON TRIBUTARIES

The purpose of the study's risk-based approach aim to support sustainable hydropower in the Lower Mekong Basin (LMB) enabling hydropower development but also ensuring the protection of identified Ecologically Sensitive Areas (ESAs) and their environmental quality as well as ensuring overall socio-economic benefit.

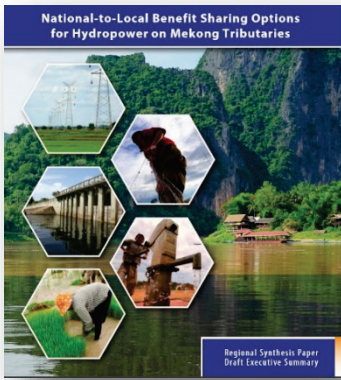
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## GUIDELINES FOR THE EVALUATION OF HYDROPOWER AND MULTIPURPOSE PROJECT PORTFOLIOS

The multi-purpose evaluation of hydropower project aims to adequately take into account the wider social, economic and environmental implications around the hydropower project. The integration of all costs and benefits into the national strategic planning approach is to identify credible values for these costs and benefits and then to “internalize” them into the normal economic analysis used to compare hydropower and multi-purpose options.

<https://goo.gl/T1kzwC>



## NATIONAL-TO-LOCAL BENEFITS SHARING OPTIONS FOR HYDROPOWER ON MEKONG TRIBUTARIES

Hydropower projects can tap into the Mekong River's natural source of energy and contribute to economic growth and energy security in the region. They can also affect the environment and residents of the river basin who may lose access to water and other related resources. To make up for the losses and spread the benefits expected from hydropower development, benefit sharing mechanisms (BSM) are an important element of these projects' planning.

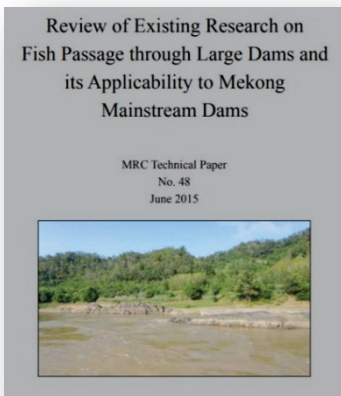
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## RSAT: RAPID BASIN-WIDE HYDROPOWER SUSTAINABILITY ASSESSMENT TOOL

The RSAT is a multi-stakeholder dialogue and assessment tool designed to consider hydropower sustainability issues in a river basin context. Placing hydropower in a basin wide context requires looking beyond individual projects to take a broader integrated approach to planning and management. The application of tools such as the RSAT can assist to identify development strategies, institutional responses and management measures that can be deployed to optimize the benefits of hydropower development and reduce the risks. RSAT has been developed to the current version RSAT 2016 EDITION

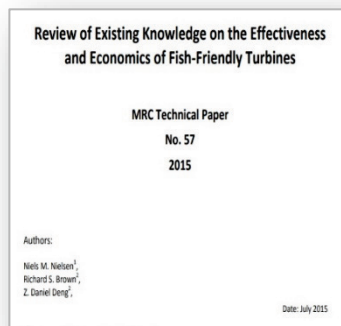
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## FISH PASSAGE: REVIEW OF EXISTING RESEARCH ON FISH PASSAGE THROUGH LARGE DAMS AND ITS APPLICABILITY TO MEKONG MAINSTREAM DAMS

This paper summarizes current knowledge and research on fish-pass solutions for both upstream and downstream migration, with a focus on how lessons learned from around the world can be applied to the Mekong River. It provides guidance and highlights knowledge gaps with the aim of contributing to the development of effective mitigation measures for large dams on the Mekong.

<https://goo.gl/7YYV1k>



## FISH COMPATIBLE TURBINE: REVIEW OF EXISTING KNOWLEDGE ON THE EFFECTIVENESS AND ECONOMICS OF FISH-FRIENDLY TURBINES

This document reviews existing knowledge on the effectiveness and economic of fish-friendly turbines being used globally. The report provides current information on Fish-Friendly Turbine technologies, ways that different turbines influence fish injury and survival, economic trade-offs for different types and scales of turbines, and applicability of Fish-Friendly Turbine technologies and trade-offs at hydropower projects on the mainstream of the Lower Mekong River.

<https://goo.gl/AQjG5v>

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